

Appl. No. 10/685,760

Atty Dkt. No. 114208-017

Response to Office Action mailed Jan. 11, 2005

AMENDMENTS TO THE SPECIFICATION

Please amend the specification as follows.

Amend the paragraph beginning at page 1, line 14 as follows.

In a conventional slider provided with an automatic stopper device, which has been disclosed in, for example, Japanese Utility Model Application Publication No. 62-41608, as shown in FIG. 14, a front post and a rear post 112 (corresponding to a mounting post) for supporting a leaf spring 104 are provided on front and rear portions of a top face of an upper blade 107 of the slider body 101. Low shoulders 150 are provided on both sides of each of the front and rear posts 112 and a head 114 projected upward is provided between the shoulders 150. The surface of this head 114 is formed into a face curved downward in the forward direction at the front post 112 while in the rearward direction at the rear post 112. Then, the leaf spring 104 having cutouts 131 at both ends thereof into which the heads 114 are inserted with ~~an allowance~~ play is placed on the shoulders 150 between the front post 112 and the rear post 112. A cover 105 having a groove 139 formed therein which can fit to the heads 114 with ~~an allowance~~ play is mounted over the front and rear posts 112, so that the leaf spring 104 is supported by the shoulders 150 and the thick portion of the cover 105.

Amend the paragraph beginning at page 3, line 1 as follows.

In a slider for slide fastener provided with an automatic stopper device disclosed in Japanese Patent Application Laid-Open No. 9-65909, as shown in FIG. 16, mounting posts 312 for attachment of a cover 305 are provided at front and rear portions on a top face of an upper blade 307 of a slider body 301 and a leaf spring 304 is provided between the mounting posts 312. An engaging portion 314 having a V-shaped groove 319 is provided on the top face of each of the mounting posts 312 in order to attach the leaf spring 304 on it and the leaf spring 304 is

Appl. No. 10/685,760
Response to Office Action mailed Jan. 11, 2005

Att'y Dkt. No. 114208-017

disposed on the engaging portion 314 and then, the leaf spring 304 is fixed temporarily with ~~an~~ allowance play by expanding the V-shaped groove 319. With this condition, the cover 305 is fixed on the body 301 such that the engaging portion 314 is covered with a covering concave portion 339 provided in an inner face of the cover 305.

Amend the paragraph beginning at page 8, line 18 as follows.

The first holding portion may be formed of a protrusion protruded from a top face of the mounting post provided on the body so that the protrusion engages each of the concave portions in the leaf spring with ~~an allowance~~ play and the second holding portion may be formed of a protrusion protruded downward from the inner face of the top wall of the cover so that the protrusion engages the concave portion in the leaf spring with ~~an allowance~~ play. Alternatively, the first holding portion may be formed of two opposing protrusions protruded upward from the top face of the mounting post provided on the body while the second holding portion may be formed of two opposing protrusions protruded downward from the inner face of the top wall of the cover so that the protrusions engage the convex portion in the leaf spring with ~~an allowance~~ play.

Amend the paragraph beginning at page 9, line 25 as follows.

The first holding portion provided on the mounting post of the body or the second holding portion provided on the inner face of the top wall of the cover may be so configured that a V-shaped groove is provided longitudinally in the center of the protrusion so that top portions of the protrusion are capable of being bent to the right and left sides and the concave portion in the leaf spring is engaged with the protrusion with ~~allowance~~ play. Alternatively, the first holding portion or the second holding portion may be so configured that an expanded head is provided at a top end of the protrusion so that the concave portion in the leaf spring is engaged with the protrusion with ~~allowance~~ play. Further, the first holding portion or the second holding

Appl. No. 10/685,760
Response to Office Action mailed Jan. 11, 2005

Atty Dkt. No. 114208-017

portion may have two opposing protrusions which are capable of holding the convex portion of the leaf spring therebetween with an allowance play and may be formed to be bent inward.

Amend the paragraph beginning at page 13, line 17 as follows.

A concave space portion 21 is provided on the outer side of the first holding portion 14 provided in the mounting post 12 on the front side or the shoulder side of the body 1 so as to form a first accommodating portion 15, while the concave space portion 21 is provided on the outer side of the first holding portion 14 provided in the mounting post 12 on the rear side or the rear mouth side of the body 1 so as to form the first accommodating portion 15. Each of them accommodates a second holding portion 37 provided in the cover 5. With this configuration, as shown in FIGS. 7 and 9, the first holding portion 14 and second holding portion 37 are disposed so as to be shifted from each other in a longitudinal direction. As a result, the leaf spring 4 is effectively held and an elastic deformation thereof is effectively exerted. A recess 16 for accommodating an engagement protrusion 28 at an end of the pawl member 3 is provided on the proximal portion on the inner side of the mounting post 12, while a pawl hole 17 in which a locking pawl 29 provided on the other end of the pawl member 3 can be inserted loosely is provided on the proximal portion on the inner side of the rear mounting post 12. Slope portions 18 for guiding a pivoting shaft 26 of the pull tag 2 are integrally provided on the inner sides of the mounting posts 12 in the center on the top face of the upper blade 7 such that they oppose each other.

Amend the paragraph beginning at page 15, line 18 as follows.

Modifications of the first holding portion 14, the second holding portion 37 and the leaf spring 4 will be described. As shown in FIGs. 11 and 12, two protrusions 13 are provided on the top face of the mounting post 12 of the body 1 such that they oppose each other across a gap so as to form the first holding portion 14. The first accommodating portion 15 provided on the outer side of the first holding portion 14 is not a concave space portion 21, but a space portion 21

Appl. No. 10/685,760
Response to Office Action mailed Jan. 11, 2005

Atty Dkt. No. 114208-017

provided therein by securing a difference in step with respect to the top face of the mounting post 12, that is, cutting out the top face of the mounting post 12 into a flat level so as to form the first accommodating portion 15. Two protrusions 36 are provided at each of the front and rear ends of the inner face of the top wall 34 of the cover 5 such that they oppose each other across a gap so as to form a second holding portion 37. A concave or flat second accommodating portion 38 for accommodating the first holding portion 14 provided on the mounting post 12 is formed on the inner side of the second holding portion ~~37~~in 37 in the inner face of the top wall 34.

Amend the paragraph beginning at page 20, line 19 as follows.

The first holding portion 14 is formed of a protrusion 13 protruded from a top face of the mounting post 12 so that the protrusion 13 engages each of the concave portions 31 in the leaf spring 4 with ~~an allowance~~ play and the second holding portion 37 is formed of the protrusion 36 protruded from an inner face of the top wall 34 of the cover 5 so that the protrusion 36 engages the concave portion 31 in the leaf spring 4 with ~~an allowance~~ play. Or the first holding portion 14 is comprised of two opposing protrusions 13 protruded from a top face of the mounting post 12 so that the two protrusions 13 are engaged with each of the convex portions 32 in the leaf spring 4 with ~~an allowance~~ play and the second holding portion 37 is comprised of two opposing protrusions 36 protruded from an inner face of the top wall 34 of the cover 5 so that the protrusions 36 are engaged with the convex portion 32 in the leaf spring 4 with ~~an allowance~~ play. Consequently, the leaf springs 4 of various kinds of configuration can be held in the first holding portion 14 and the second holding portion 37 effectively in a stabilized condition, thereby ensuring a smooth elastic deformation.

Amend the paragraph beginning at page 22, line 9 as follows.

The first holding portion 14 or the second holding portion 37 is so configured that a V-shaped groove 19 is provided longitudinally in the center of each of the protrusions 13 ~~and~~ and 36 so as to be bent to the right and left sides and the concave portion 31 is engaged with the

Appl. No. 10/685,760

Atty Dkt. No. 114208-017

Response to Office Action mailed Jan. 11, 2005

protrusions 13 and 36 with ~~allowance~~ play or so configured that an expanded head 20 is provided at a top end of each of the protrusions 13 and 36 so that the concave portion 31 in the leaf spring 4 is engaged with each protrusion 13 or 36 with ~~allowance~~ play or is provided with two ~~protrusions~~ protrusions 13 and 36, which oppose each other and are bendable inward with a convex portion 32 of the leaf spring 4 maintained between the protrusions 13 and 36 with ~~an~~ allowance play. Consequently, various kinds of the holding portions 14 and 37 maintain the leaf spring 4 securely without an easy slip-out thereof thereby ensuring a smooth elastic deformation.

Amend the paragraph beginning at page 22, line 24 as follows.

A first accommodating portion 15 is provided on an outer side of the first holding portion 14 provided in the mounting post 12 on a front portion of the body 1, a recess 16 for accommodating an end of the pawl member 3 is provided on an inner side of the mounting post 12, the first accommodating portion 14 is provided on an outer side of the first holding portion 14 provided in the rear mounting post 12, a pawl hole 17 for insertion of locking pawl 29 is provided on an inner side of the mounting post 12, the second holding portions 37 are provided at front and rear ends of an inner face of the top wall 34 of the cover 5, the second accommodating portion 38 is provided in a proximal portion of each of the second holding portions 37, the leaf spring 4 is provided between the first and second holding portions 14 and 37 and the cover 5 is formed to be fixed to the mounting posts 12. Consequently, in a slider provided with an automatic stopper device using five members, that is, a ~~body~~ body 1, a pull tag 2, a pawl member 3, a leaf spring 4 and a cover 5, the members can be ideally disposed, and automatic assembly or manual assembly procedure is remarkably easy.

Please replace the Abstract of the Disclosure with the enclosed substitute Abstract of the Disclosure, which is on a separate sheet.